



US006365176B1

(12) **United States Patent**  
**Bell et al.**

(10) **Patent No.:** **US 6,365,176 B1**  
(45) **Date of Patent:** **Apr. 2, 2002**

(54) **NUTRITIONAL SUPPLEMENT FOR  
PATIENTS WITH TYPE 2 DIABETES  
MELLITUS FOR LIPODYSTROPHY**

(75) Inventors: **Stacey J. Bell**, Belmont; **Judith  
Shabert**, Brookline, both of MA (US)

(73) Assignee: **Functional Foods, Inc.**, Belmont, MA  
(US)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/664,227**

(22) Filed: **Sep. 18, 2000**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 09/634,247, filed on  
Aug. 8, 2000.

(51) **Int. Cl.**<sup>7</sup> ..... **A61K 47/00**

(52) **U.S. Cl.** ..... **424/439**; 424/400; 424/442;  
424/450; 424/451; 424/489

(58) **Field of Search** ..... 424/400, 439,  
424/464, 486; 514/52, 866, 904, 905, 960;  
222/143

(56) **References Cited**  
**PUBLICATIONS**

Shabert, J. and Ehrlich, N., *The Ultimate Nutrient  
Glutamine*, Avery Publishing Group, Garden City Park,  
New York (1994).

Kotler, D.P., "Update on Metabolic and Morphologic Abnor-  
malities in HIV," Sero Symposia USA, Norwell, Massa-  
chusetts, 2000 (10 pages).

*Primary Examiner*—Thurman K. Page

*Assistant Examiner*—Charesse L. Evans

(74) *Attorney, Agent, or Firm*—Hamilton, Brook, Smith &  
Reynolds, P.C.

(57) **ABSTRACT**

Described herein is a nutritional supplement to be incorpo-  
rated into the diet of a type 2 diabetic or an individual having  
lipodystrophy. The supplement provides active food-grade  
ingredients to improve the management of blood glucose  
and blood lipid levels. The supplement additionally aids in  
the improvement of the effects of platelet aggregation. The  
supplement should be taken daily during or at the end of the  
two largest meals, where most of the fat and cholesterol are  
likely to be ingested.

**42 Claims, No Drawings**